

Title (en)
Bi-tapered reinforcing fibers

Title (de)
Doppelt konische Verstärkungsfasern

Title (fr)
Fibres renforcées bi-coniques

Publication
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Application
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Priority
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Abstract (en)
[origin: EP1816242A1] Non-fractured, non-fibrillatable short fibers, for reinforcing matrix materials such as concrete, have substantially uniform transverse cross-sectional areas along their length for maximum efficiency in pull-out resistance, and two different tapering characteristics along their lengths. Preferred bi-tapered fibers of the invention have a high modulus of elasticity in the range of 5-250 Gigapascal and are preferably modulated in both tapering dimensions. Matrix materials containing the fibers, as well as a method for making the fibers, are disclosed.

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